

Missouri Occupational Projections 2022-2024

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Short-Term Occupational projections are produced every year and are published in March.

Occupations are classified using the Standard Occupational Classification (SOC) system. Major occupation groups are at the two digit SOC level, while detailed c

Projections were made with historical data and information that was available at the time. Events that happen after these projections were made could alter the projections.

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Major Occupation Groups Information

Occupation SOC Code	Occupation Title	2022		2024		2022-2024		2021 Wages				Annual Openings			
		Estimated Employment	Projected Employment	Net Change	Percent Change	Entry	Mean	Median	Experienced	Exits	Transfers	Growth	Total		
00-0000	Total, All Occupations	3,083,100	3,135,371	52,271	1.7%	\$28,640	\$51,390	\$38,130	\$60,560	127,710	197,108	26,136	350,954		
11-0000	Management Occupations	187,918	192,669	4,751	2.5%	\$59,650	\$104,120	\$91,790	\$129,570	4,208	9,992	2,376	16,576		
13-0000	Business and Financial Operations Occupations	189,148	193,348	4,200	2.2%	\$48,360	\$74,780	\$63,460	\$91,880	4,169	9,012	2,100	15,281		
15-0000	Computer and Mathematical Occupations	87,666	89,931	2,265	2.6%	\$54,760	\$83,150	\$78,110	\$102,410	1,046	2,784	1,132	4,962		
17-0000	Architecture and Engineering Occupations	41,175	42,043	868	2.1%	\$60,240	\$84,640	\$77,750	\$100,290	985	1,967	434	3,386		
19-0000	Life, Physical, and Social Science Occupations	21,656	22,039	383	1.8%	\$44,770	\$65,170	\$59,490	\$78,810	408	1,428	192	2,028		
21-0000	Community and Social Service Occupations	45,469	46,130	661	1.5%	\$36,740	\$45,190	\$41,510	\$49,630	1,439	2,902	330	4,671		
23-0000	Legal Occupations	22,105	22,585	480	2.2%	\$47,780	\$98,240	\$76,390	\$127,990	616	878	240	1,734		
25-0000	Educational Instruction and Library Occupations	156,203	160,073	3,870	2.5%	\$33,870	\$53,570	\$46,920	\$61,120	6,072	6,934	1,935	14,941		
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	47,267	48,314	1,047	2.2%	\$30,160	\$51,480	\$44,480	\$61,730	1,701	3,050	524	5,275		
29-0000	Healthcare Practitioners and Technical Occupations	199,205	203,144	3,939	2.0%	\$46,740	\$78,670	\$60,820	\$79,170	4,596	5,241	1,970	11,807		
31-0000	Healthcare Support Occupations	148,778	152,906	4,128	2.8%	\$22,830	\$29,110	\$27,800	\$30,230	9,070	9,112	2,064	20,246		
33-0000	Protective Service Occupations	59,664	60,613	949	1.6%	\$29,630	\$46,880	\$39,290	\$60,540	2,415	3,590	474	6,479		
35-0000	Food Preparation and Serving Related Occupations	255,986	260,465	4,479	1.8%	\$22,460	\$27,340	\$24,400	\$28,820	18,029	25,394	2,240	45,663		
37-0000	Building and Grounds Cleaning and Maintenance Occupations	104,730	106,570	1,840	1.8%	\$23,890	\$31,250	\$28,980	\$35,530	6,018	7,704	920	14,642		
39-0000	Personal Care and Service Occupations	80,661	82,860	2,199	2.7%	\$22,840	\$31,060	\$26,720	\$34,460	5,083	6,203	1,100	12,386		
41-0000	Sales and Related Occupations	273,086	274,663	1,577	0.6%	\$23,440	\$41,190	\$29,020	\$47,060	14,320	21,815	788	36,923		
43-0000	Office and Administrative Support Occupations	425,047	424,697	-350	-0.1%	\$29,200	\$40,560	\$36,890	\$46,990	20,124	26,032	-175	45,981		
45-0000	Farming, Fishing, and Forestry Occupations	14,379	14,725	346	2.4%	\$25,830	\$34,660	\$30,760	\$38,240	606	1,650	173	2,429		
47-0000	Construction and Extraction Occupations	125,807	129,355	3,548	2.8%	\$38,220	\$57,580	\$53,140	\$75,490	3,748	8,520	1,774	14,042		
49-0000	Installation, Maintenance, and Repair Occupations	133,731	136,367	2,636	2.0%	\$36,390	\$50,370	\$47,010	\$60,510	4,228	8,560	1,318	14,106		
51-0000	Production Occupations	205,623	207,677	2,054	1.0%	\$29,900	\$42,160	\$37,710	\$47,780	7,756	14,712	1,027	23,495		
53-0000	Transportation and Material Moving Occupations	257,796	264,197	6,401	2.5%	\$28,300	\$39,690	\$36,000	\$46,640	11,072	19,630	3,200	33,902		

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Top Job Openings

Openings based on job growth as well as replacement needs due to exits or transfers

Top Job Openings - Statewide 2022-2024

SOC Code	Occupation Title	Percent Growth	Median Annual Wage	Annual Openings	Typical Education Required
41-2011	Cashiers	-0.4%	\$23,310	12,195	No formal educational credential
31-1120	Home Health and Personal Care Aides	4.5%	\$23,110	11,737	High school diploma or equivalent
53-7065	Stockers and Order Fillers	4.1%	\$29,620	10,338	High school diploma or equivalent
41-2031	Retail Salespersons	0.3%	\$27,330	9,842	No formal educational credential
35-3031	Waiters and Waitresses	1.8%	\$22,590	8,429	No formal educational credential
11-1021	General and Operations Managers	2.5%	\$76,990	8,220	Bachelor's degree
35-3023	Fast Food and Counter Workers	1.0%	\$23,260	8,026	No formal educational credential
43-9061	Office Clerks, General	0.2%	\$35,430	6,868	High school diploma or equivalent
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	1.8%	\$28,690	6,441	No formal educational credential
43-6014	Secretaries and Administrative Assistants	-0.7%	\$34,390	6,418	High school diploma or equivalent
43-4051	Customer Service Representatives	1.0%	\$36,360	6,395	High school diploma or equivalent
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	2.2%	\$30,210	6,126	No formal educational credential
35-2011	Cooks, Fast Food	-1.9%	\$23,580	5,865	No formal educational credential
53-3032	Heavy and Tractor-Trailer Truck Drivers	1.3%	\$47,130	5,672	Postsecondary non-degree award
35-2014	Cooks, Restaurant	6.7%	\$28,250	5,659	No formal educational credential
29-1141	Registered Nurses	1.7%	\$61,920	4,470	Bachelor's degree
49-9071	Maintenance and Repair Workers, General	2.2%	\$38,200	4,040	High school diploma or equivalent
31-1131	Nursing Assistants	-0.5%	\$28,680	4,004	Postsecondary non-degree award
37-2012	Maids and Housekeeping Cleaners	1.6%	\$25,420	3,642	No formal educational credential
43-3031	Bookkeeping, Accounting, and Auditing Clerks	0.1%	\$41,240	3,442	Some college, no degree

Source: 2022-2024 Short-Term Occupational Projections, Missouri Economic Research and Information Center

Fastest Growing Occupations

Fastest growth defined by percent growth from base year to projected year

Fastest Growing Occupations - Statewide 2022-2024

SOC Code	Occupation Title	Percent Growth	Median Annual Wage	Annual Openings	Typical Education Required
29-1171	Nurse Practitioners	8.1%	\$101,180	705	Master's degree
13-1081	Logisticians	7.7%	\$76,840	320	Bachelor's degree
39-3031	Ushers, Lobby Attendants, and Ticket Takers	7.4%	\$24,540	730	No formal educational credential
51-9162	Computer Numerically Controlled Tool Programmers	7.3%	\$55,780	109	Postsecondary non-degree award
35-2014	Cooks, Restaurant	6.7%	\$28,250	5,659	No formal educational credential
15-2031	Operations Research Analysts	6.7%	\$74,370	98	Bachelor's degree
15-1212	Information Security Analysts	6.4%	\$95,270	222	Bachelor's degree
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	6.0%	\$37,880	109	High school diploma or equivalent
31-2021	Physical Therapist Assistants	5.8%	\$58,050	337	Associate's degree
31-2011	Occupational Therapy Assistants	5.8%	\$59,780	109	Associate's degree
39-9031	Exercise Trainers and Group Fitness Instructors	5.8%	\$34,520	1,403	High school diploma or equivalent
53-7051	Industrial Truck and Tractor Operators	5.7%	\$38,340	1,853	No formal educational credential
11-9111	Medical and Health Services Managers	5.5%	\$97,930	887	Bachelor's degree
25-1071	Health Specialties Teachers, Postsecondary	5.5%	n/a	511	Doctoral or professional degree
29-1127	Speech-Language Pathologists	5.3%	\$76,680	218	Master's degree
27-2023	Umpires, Referees, and Other Sports Officials	5.3%	\$34,550	133	High school diploma or equivalent
25-3021	Self-Enrichment Teachers	5.2%	\$36,080	766	High school diploma or equivalent
29-1071	Physician Assistants	5.2%	\$99,510	134	Master's degree
49-9041	Industrial Machinery Mechanics	5.1%	\$59,900	520	High school diploma or equivalent
25-1072	Nursing Instructors and Teachers, Postsecondary	5.1%	\$63,740	169	Doctoral or professional degree

Occupations with less than 50 annual openings are omitted

Source: 2022-2024 Short-Term Occupational Projections, Missouri Economic Research and Information Center

All Occupation Information

Occupation		2022		2024		2022-2024			2021 Wages				Annual Openings				Education, Experience, and Training		
SOC Code	Occupation Title	Estimated Employment	Project Employment	Net Change	Percent Change	Entry	Mean	Median	Experienced	Exits	Transfers	Growth	Total	Typical Education Required	Typical Experience Required	Typical Job Training			
00-0000	Total, All Occupations	3,083,100	3,135,371	52,271	1.7%	\$28,640	\$51,390	\$38,130	\$60,560	127,710	197,108	26,136	350,954						
11-0000	Management Occupations	187,918	192,669	4,751	2.5%	\$59,650	\$104,120	\$91,790	\$129,570	4,208	9,992	2,376	16,576						
11-1011	Chief Executives	4,700	4,689	-11	-0.2%	\$99,880	\$189,620	\$162,630	n/a	128	190	-6	312	Bachelor's degree	5 years or more	None			
11-1021	General and Operations Managers	86,317	88,432	2,115	2.5%	\$47,570	\$96,820	\$76,990	\$126,560	1,745	5,417	1,058	8,220	Bachelor's degree	5 years or more	None			
11-1031	Legislators	920	932	12	1.3%	\$21,420	\$40,280	\$21,870	\$46,600	22	46	6	74	Bachelor's degree	Less than 5 years	None			
11-2011	Advertising and Promotions Managers	415	423	8	1.9%	\$78,310	\$101,490	\$99,510	\$119,860	8	32	4	44	Bachelor's degree	Less than 5 years	None			
11-2021	Marketing Managers	3,011	3,086	75	2.5%	\$80,880	\$120,560	\$102,060	\$151,730	61	192	38	291	Bachelor's degree	5 years or more	None			
11-2022	Sales Managers	5,119	5,234	115	2.3%	\$88,760	\$135,260	\$126,240	\$165,670	104	326	58	488	Bachelor's degree	Less than 5 years	None			
11-2032	Public Relations Managers	1,111	1,142	31	2.8%	\$78,080	\$117,480	\$103,020	\$150,750	0	0	16	16	Bachelor's degree	5 years or more	None			
11-2033	Fundraising Managers	339	347	8	2.4%	\$75,090	\$108,800	\$94,940	\$126,080	0	0	4	4	Bachelor's degree	5 years or more	None			
11-3012	Administrative Services Managers	2,970	3,024	54	1.8%	\$74,620	\$107,440	\$97,930	\$128,210	0	0	27	27	Bachelor's degree	Less than 5 years	None			
11-3013	Facilities Managers	1,720	1,745	25	1.5%	\$62,520	\$88,200	\$78,060	\$101,660	0	0	12	12	Bachelor's degree	Less than 5 years	None			
11-3021	Computer and Information Systems Managers	6,715	6,918	203	3.0%	\$99,510	\$135,670	\$129,510	\$164,930	110	388	102	600	Bachelor's degree	5 years or more	None			
11-3031	Financial Managers	10,843	11,313	470	4.3%	\$98,740	\$138,130	\$127,000	\$164,990	227	556	235	1,018	Bachelor's degree	5 years or more	None			
11-3051	Industrial Production Managers	4,774	4,875	101	2.1%	\$77,790	\$111,230	\$100,340	\$131,060	94	228	50	372	Bachelor's degree	5 years or more	None			
11-3061	Purchasing Managers	789	805	16	2.0%	\$98,790	\$128,740	\$125,770	\$148,300	18	43	8	69	Bachelor's degree	5 years or more	None			
11-3071	Transportation, Storage, and Distribution Managers	2,259	2,333	74	3.3%	\$61,950	\$94,180	\$80,170	\$119,410	44	126	37	207	High school diploma or equivalent	5 years or more	None			
11-3111	Compensation and Benefits Managers	190	192	2	1.1%	\$102,630	\$145,860	\$129,710	\$168,490	4	10	1	15	Bachelor's degree	5 years or more	None			
11-3121	Human Resources Managers	2,652	2,726	64	2.4%	\$80,240	\$119,210	\$102,770	\$134,250	62	150	32	244	Bachelor's degree	5 years or more	None			
11-3131	Training and Development Managers	222	226	4	1.8%	\$78,230	\$112,250	\$110,980	\$131,200	5	15	2	22	Bachelor's degree	5 years or more	None			
11-9013	Farmers, Ranchers, and Other Agricultural Managers	7,228	7,319	91	1.3%	\$48,340	\$68,130	\$61,810	\$81,310	448	253	46	747	High school diploma or equivalent	5 years or more	None			
11-9021	Construction Managers	4,063	4,205	142	3.5%	\$74,440	\$97,420	\$91,640	\$119,190	85	210	71	366	Bachelor's degree	None	Moderate-term on-the-job training			
11-9031	Education and Childcare Administrators, Preschool and Daycare	n/a	n/a	n/a	n/a	\$35,220	\$44,860	\$38,690	\$52,800	n/a	n/a	n/a	n/a	Bachelor's degree	Less than 5 years	None			
11-9032	Education Administrators, Kindergarten through Secondary	7,460	7,635	175	2.4%	\$76,490	\$92,760	\$93,810	\$100,590	186	350	88	624	Master's degree	5 years or more	None			
11-9033	Education Administrators, Postsecondary	2,544	2,602	58	2.3%	\$72,030	\$103,860	\$94,410	\$125,930	64	120	29	213	Master's degree	Less than 5 years	None			
11-9039	Education Administrators, All Other	367	371	4	1.1%	\$48,980	\$74,580	\$61,070	\$96,600	9	17	2	28	Bachelor's degree	Less than 5 years	None			
11-9041	Architectural and Engineering Managers	2,132	2,174	42	2.0%	\$111,780	\$142,350	\$132,450	\$169,120	39	110	21	170	Bachelor's degree	5 years or more	None			
11-9051	Food Service Managers	2,639	2,685	46	1.7%	\$39,110	\$61,480	\$57,000	\$76,980	82	212	23	317	High school diploma or equivalent	Less than 5 years	Short-term on-the-job training			
11-9071	Gambling Managers	70	73	3	4.3%	\$62,780	\$89,570	\$77,980	\$98,850	2	4	2	8	High school diploma or equivalent	Less than 5 years	None			
11-9072	Entertainment And Recreation Managers, Except Gambling	376	385	9	2.4%	\$40,980	\$74,620	\$62,980	\$97,360	0	0	4	4	Bachelor's degree	Less than 5 years	None			
11-9081	Lodging Managers	266	268	2	0.8%	\$45,950	\$55,420	\$48,100	\$52,850	10	18	1	29	High school diploma or equivalent	Less than 5 years	None			
11-9111	Medical and Health Services Managers	8,426	8,888	462	5.5%	\$76,960	\$108,150	\$97,930	\$126,650	216	440	231	887	Bachelor's degree	Less than 5 years	None			
11-9121	Natural Sciences Managers	802	816	14	1.8%	\$61,880	\$107,480	\$95,220	\$131,040	16	40	7	63	Bachelor's degree	5 years or more	None			
11-9131	Postmasters and Mail Superintendents	257	248	-9	-3.5%	\$72,760	\$80,490	\$77,810	\$89,230	6	12	-4	14	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training			
11-9141	Property, Real Estate, and Community Association Managers	8,202	8,483	281	3.4%	\$29,400	\$49,030	\$45,420	\$61,250	317	315	140	772	High school diploma or equivalent	Less than 5 years	None			
11-9151	Social and Community Service Managers	2,066	2,088	22	1.1%	\$48,430	\$65,700	\$60,180	\$76,330	62	112	11	185	Bachelor's degree	Less than 5 years	None			
11-9161	Emergency Management Directors	207	210	3	1.5%	\$38,410	\$70,620	\$60,500	\$96,480	8	10	2	20	Bachelor's degree	5 years or more	None			
11-9171	Funeral Home Managers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Associate's degree	Less than 5 years	None			
11-9179	Personal Service Managers, All Other	214	216	2	0.9%	\$26,950	\$41,480	\$38,150	\$48,830	0	0	1	1	High school diploma or equivalent	Less than 5 years	None			
11-9199	Managers, All Other	4,428	4,459	31	0.7%	\$65,890	\$110,550	\$103,030	\$138,530	0	0	16	16	Bachelor's degree	Less than 5 years	None			
13-0000	Business and Financial Operations Occupations	189,148	193,348	4,200	2.2%	\$48,360	\$74,780	\$63,460	\$91,880	4,169	9,012	2,100	15,281						
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	n/a	n/a	n/a	n/a	\$29,370	\$50,420	\$34,660	\$62,320	n/a	n/a	n/a	n/a	Bachelor's degree	Less than 5 years	None			
13-1020	Buyers and Purchasing Agents	8,212	8,219	7	0.1%	\$47,230	\$65,780	\$61,330	\$79,170	279	526	4	809	Bachelor's degree	None	Moderate-term on-the-job training			
13-1031	Claims Adjusters, Examiners, and Investigators	6,288	6,307	19	0.3%	\$47,990	\$69,930	\$64,050	\$83,490	148	328	10	486	High school diploma or equivalent	None	Long-term on-the-job training			
13-1032	Insurance Appraisers, Auto Damage	301	307	6	2.0%	\$57,720	\$69,180	\$66,350	\$81,410	7	16	3	26	Postsecondary non-degree award					

19-1042	Medical Scientists, Except Epidemiologists	1,680	1,757	77	4.6%	\$60,410	\$72,120	\$62,460	\$78,810	23	99	38	160	Doctoral or professional degree	None	None
19-1099	Life Scientists, All Other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1	2	0	3	Bachelor's degree	None	None
19-2012	Physicists	56	56	0	0.0%	\$121,530	\$169,760	\$163,980	\$102,380	2	9	0	11	Doctoral or professional degree	None	None
19-2021	Atmospheric and Space Scientists	138	137	-1	-0.7%	\$65,290	\$95,130	\$102,380	\$120,990	26	132	22	180	Bachelor's degree	None	None
19-2031	Chemists	1,761	1,806	45	2.6%	\$55,410	\$86,850	\$78,990	\$104,940	26	132	22	180	Bachelor's degree	None	None
19-2032	Materials Scientists	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1	2	0	3	Bachelor's degree	None	None
19-2041	Environmental Scientists and Specialists, Including Health	n/a	n/a	n/a	n/a	\$49,250	\$70,310	\$62,910	\$79,000	n/a	n/a	n/a	n/a	Bachelor's degree	None	None
19-2042	Geoscientists, Except Hydrologists and Geographers	241	246	5	2.1%	\$44,420	\$76,460	\$79,510	\$101,600	4	20	2	26	Bachelor's degree	None	None
19-2043	Hydrologists	97	98	1	1.0%	\$67,410	\$82,480	\$88,640	\$99,460	2	8	0	10	Bachelor's degree	None	None
19-2099	Physical Scientists, All Other	117	118	1	0.9%	\$78,270	\$93,960	\$96,180	\$117,890	2	8	0	10	Bachelor's degree	None	None
19-3011	Economists	314	318	4	1.3%	\$55,760	\$95,010	\$88,710	\$111,700	6	16	2	24	Master's degree	None	None
19-3022	Survey Researchers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Master's degree	None	None
19-3031	Clinical and Counseling Psychologists	1,413	1,441	28	2.0%	\$50,350	\$72,530	\$63,580	\$80,910	0	0	14	14	Doctoral or professional degree	None	Internship/residency
19-3034	School Psychologists	n/a	n/a	n/a	n/a	\$60,500	\$81,520	\$76,160	\$98,570	n/a	n/a	n/a	n/a	Master's degree	None	Internship/residency
19-3039	Psychologists, All Other	562	562	0	0.0%	\$93,080	\$97,620	\$105,960	\$113,630	14	22	0	36	Master's degree	None	Internship/residency
19-3041	Sociologists	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Master's degree	None	None
19-3051	Urban and Regional Planners	307	311	4	1.3%	\$52,530	\$69,960	\$62,940	\$80,590	5	22	2	29	Master's degree	None	None
19-3091	Anthropologists and Archeologists	272	279	7	2.6%	\$29,810	\$43,230	\$36,560	\$53,390	6	18	4	28	Master's degree	None	None
19-3092	Geographers	41	41	0	0.0%	\$71,120	\$82,380	\$83,870	\$98,130	1	2	0	3	Bachelor's degree	None	None
19-3093	Historians	55	56	1	1.8%	\$49,480	\$66,620	\$61,780	\$81,900	1	4	0	5	Master's degree	None	None
19-3099	Social Scientists and Related Workers, All Other	416	413	-3	-0.7%	\$50,460	\$69,000	\$64,290	\$83,490	9	27	-2	34	Bachelor's degree	None	None
19-4012	Agricultural Technicians	488	494	6	1.2%	\$30,750	\$45,990	\$47,030	\$59,180	0	0	3	3	Associate's degree	None	Moderate-term on-the-job training
19-4013	Food Science Technicians	170	172	2	1.2%	\$49,300	\$63,470	\$73,170	\$73,170	0	0	1	1	Associate's degree	None	Moderate-term on-the-job training
19-4021	Biological Technicians	883	898	15	1.7%	\$37,820	\$49,600	\$47,790	\$58,680	21	89	8	118	Bachelor's degree	None	None
19-4031	Chemical Technicians	695	713	18	2.6%	\$35,080	\$45,720	\$42,150	\$49,920	12	64	9	85	Associate's degree	None	Moderate-term on-the-job training
19-4042	Environmental Science and Protection Technicians, Including Health	618	632	14	2.3%	\$31,450	\$49,660	\$41,660	\$51,210	16	58	7	81	Associate's degree	None	Moderate-term on-the-job training
19-4043	Geological Technicians, Except Hydrologic Technicians	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Associate's degree	None	Moderate-term on-the-job training
19-4044	Hydrologic Technicians	56	56	0	0.0%	\$38,780	\$58,830	\$59,630	\$75,420	0	0	0	0	Associate's degree	None	Moderate-term on-the-job training
19-4051	Nuclear Technicians	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Associate's degree	None	Moderate-term on-the-job training
19-4061	Social Science Research Assistants	909	932	23	2.5%	\$48,570	\$55,160	\$49,380	\$61,390	24	86	12	122	Bachelor's degree	None	None
19-4071	Forest and Conservation Technicians	330	329	-1	-0.3%	\$29,460	\$40,590	\$36,420	\$49,500	9	31	0	40	Associate's degree	None	None
19-4092	Forensic Science Technicians	137	142	5	3.7%	\$48,470	\$58,270	\$58,960	\$62,700	4	13	2	19	Bachelor's degree	None	Moderate-term on-the-job training
19-4099	Life, Physical, and Social Science Technicians, All Other	3,211	3,243	32	1.0%	\$37,430	\$46,950	\$38,750	\$49,480	86	303	16	405	Associate's degree	None	None
19-5011	Occupational Health and Safety Specialists	1,767	1,796	29	1.6%	\$53,400	\$75,770	\$74,270	\$93,750	48	76	14	138	Bachelor's degree	None	None
19-5012	Occupational Health and Safety Technicians	353	364	11	3.1%	\$39,350	\$67,670	\$61,400	\$77,950	10	16	6	32	High school diploma or equivalent	None	Moderate-term on-the-job training
21-0000	Community and Social Service Occupations	45,469	46,130	661	1.5%	\$36,740	\$45,190	\$41,510	\$49,630	1,439	2,902	330	4,671			
21-1012	Educational, Guidance, and Career Counselors and Advisors	8,158	8,362	204	2.5%	\$38,860	\$51,550	\$47,500	\$59,740	269	490	102	861	Master's degree	None	None
21-1013	Marriage and Family Therapists	n/a	n/a	n/a	n/a	\$40,730	\$47,930	\$47,050	\$51,460	n/a	n/a	n/a	n/a	Master's degree	None	Internship/residency
21-1015	Rehabilitation Counselors	2,251	2,285	34	1.5%	\$36,830	\$44,520	\$43,150	\$49,820	74	134	17	225	Bachelor's degree	None	None
21-1019	Counselors, All Other	4,773	4,905	132	2.8%	\$32,930	\$43,270	\$38,920	\$52,760	158	286	66	510	Bachelor's degree	None	None
21-2021	Child, Family, and School Social Workers	8,062	8,125	63	0.8%	\$36,690	\$41,070	\$37,240	\$46,300	227	512	32	771	Bachelor's degree	None	None
21-2022	Healthcare Social Workers	5,366	5,465	99	1.8%	\$37,400	\$51,340	\$48,190	\$61,860	152	342	50	544	Master's degree	None	Internship/residency
21-2023	Mental Health and Substance Abuse Social Workers	1,816	1,837	21	1.2%	\$36,740	\$43,210	\$44,200	\$49,360	51	116	10	177	Master's degree	None	Internship/residency
21-2029	Social Workers, All Other	1,415	1,403	-12	-0.9%	\$36,740	\$50,870	\$37,200	\$69,950	40	89	-6	123	Bachelor's degree	None	None
21-3091	Health Education Specialists	1,630	1,659	29	1.8%	\$37,390	\$51,660	\$47,500	\$60,450	56	114	14	184	Bachelor's degree	None	None
21-3092	Probation Officers and Correctional Treatment Specialists	2,381	2,324	-57	-2.4%	\$36,740	\$49,170	\$37,200	\$59,480	51	142	-28	165	Bachelor's degree	None	Short-term on-the-job training
21-3093	Social and Human Service Assistants	3,628	3,669	41	1.1%	\$25,930	\$34,270	\$30,440	\$38,310	146	276	20	442	High school diploma or equivalent	None	Short-term on-the-job training
21-3094	Community Health Workers	2,375	2,443	68	2.9%	\$30,520	\$40,890	\$48,730	\$60,860	82	166	34	282	High school diploma or equivalent	None	Short-term on-the-job training
21-3099	Community and Social Service Specialists, All Other	1,925	1,933	8	0.4%	\$36,740	\$43,600	\$46,300	\$48,040	66	133	4	203	Bachelor's degree	None	None
21-3111	Clergy	703	715	12	1.7%	\$46,860	\$56,640	\$56,180	\$62,670	2						

27-2091	Disc Jockeys, Except Radio	131	136	5	3.8%	n/a	n/a	n/a	n/a	0	0	2	2	High school diploma or equivalent	None	Short-term on-the-job training	
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	None	Short-term on-the-job training		
27-3011	Broadcast Announcers and Radio Disc Jockeys	780	792	12	1.5%	\$22,540	\$59,870	\$28,810	\$58,020	30	43	6	79	Bachelor's degree	None	None	
27-3023	News Analysts, Reporters, and Journalists	701	686	-15	-2.1%	\$28,350	\$41,020	\$33,870	\$46,820	20	54	-8	66	Bachelor's degree	None	None	
27-3031	Public Relations Specialists	9,474	9,707	233	2.5%	\$41,040	\$61,020	\$51,730	\$75,570	240	630	116	986	Bachelor's degree	None	None	
27-3041	Editors	1,362	1,325	-37	-2.7%	\$30,760	\$55,670	\$46,900	\$70,100	44	84	-18	110	Bachelor's degree	Less than 5 years	None	
27-3042	Technical Writers	557	576	19	3.4%	\$54,740	\$77,850	\$77,490	\$98,550	15	35	10	60	Bachelor's degree	Less than 5 years	Short-term on-the-job training	
27-3043	Writers and Authors	2,294	2,340	46	2.0%	\$48,730	\$66,870	\$55,980	\$67,450	93	128	23	244	Bachelor's degree	None	Long-term on-the-job training	
27-3091	Interpreters and Translators	647	672	25	3.9%	\$38,590	\$47,550	\$47,590	\$50,040	26	36	12	74	Bachelor's degree	None	None	
27-3092	Court Reporters and Simultaneous Captioners	245	238	-7	-2.9%	\$61,580	\$60,110	\$61,580	\$61,580	9	14	-4	19	Postsecondary non-degree award	None	Short-term on-the-job training	
27-3099	Media and Communication Workers, All Other	403	425	22	5.5%	\$38,770	\$60,310	\$47,780	\$77,700	16	22	11	49	High school diploma or equivalent	None	Short-term on-the-job training	
27-4011	Audio and Video Technicians	1,265	1,319	54	4.3%	\$38,610	\$65,270	\$54,310	\$67,760	34	94	27	155	Postsecondary non-degree award	None	Short-term on-the-job training	
27-4012	Broadcast Technicians	369	375	6	1.6%	\$21,920	\$42,260	\$31,820	\$60,890	10	27	3	40	Associate's degree	None	Short-term on-the-job training	
27-4014	Sound Engineering Technicians	n/a	n/a	n/a	n/a	\$38,770	\$57,810	\$48,790	\$59,920	n/a	n/a	n/a	n/a	Postsecondary non-degree award	None	Short-term on-the-job training	
27-4015	Lighting Technicians	n/a	n/a	n/a	n/a	\$30,470	\$53,400	\$46,910	\$61,000	n/a	n/a	n/a	n/a	Postsecondary non-degree award	None	Short-term on-the-job training	
27-4021	Photographers	2,285	2,367	82	3.6%	\$25,670	\$36,140	\$32,810	\$42,110	78	130	41	249	High school diploma or equivalent	None	Moderate-term on-the-job training	
27-4031	Camera Operators, Television, Video, and Film	228	234	6	2.6%	\$48,860	\$57,650	\$61,200	\$74,090	8	14	3	25	Bachelor's degree	None	None	
27-4032	Film and Video Editors	264	273	9	3.4%	\$30,640	\$47,810	\$43,170	\$55,230	8	16	4	28	Bachelor's degree	None	None	
27-4099	Media and Communication Equipment Workers, All Other	47	49	2	4.3%	\$49,300	\$75,760	\$61,610	\$105,480	0	0	1	1	High school diploma or equivalent	None	Short-term on-the-job training	
29-0000 Healthcare Practitioners and Technical Occupations	199,205	203,144	3,939	2.0%	\$46,740	\$78,670	\$60,820	\$79,170	4,596	5,241	1,970	11,807					
29-1011	Chiropractors	1,294	1,310	16	1.2%	\$60,390	\$88,030	\$61,800	\$98,990	19	10	8	37	Doctoral or professional degree	None	None	
29-1021	Dentists, General	2,087	2,098	11	0.5%	\$111,950	\$167,240	\$162,650	\$198,690	38	18	6	62	Doctoral or professional degree	None	Internship/residency	
29-1022	Oral and Maxillofacial Surgeons	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Doctoral or professional degree	None	Internship/residency	
29-1023	Orthodontists	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Doctoral or professional degree	None	Internship/residency	
29-1024	Prosthodontists	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Doctoral or professional degree	None	Internship/residency	
29-1029	Dentists, All Other Specialists	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Doctoral or professional degree	None	Internship/residency	
29-1031	Dietitians and Nutritionists	1,760	1,789	29	1.7%	\$47,110	\$55,860	\$48,980	\$61,940	58	62	14	134	Bachelor's degree	None	Internship/residency	
29-1041	Optometrists	1,029	1,042	13	1.3%	\$91,680	\$137,780	\$126,000	\$157,100	18	12	6	36	Doctoral or professional degree	None	None	
29-1051	Pharmacists	7,509	7,577	68	0.9%	\$120,570	\$121,870	\$128,410	\$136,540	139	145	34	318	Doctoral or professional degree	None	None	
29-1071	Physician Assistants	1,617	1,701	84	5.2%	\$63,160	\$95,280	\$99,510	\$121,010	26	66	42	134	Master's degree	None	None	
29-1081	Podiatrists	136	135	-1	-0.7%	\$82,480	\$147,990	\$102,180	n/a	4	6	0	10	Doctoral or professional degree	None	Internship/residency	
29-1122	Occupational Therapists	2,459	2,533	74	3.0%	\$61,340	\$78,990	\$78,440	\$97,410	54	82	37	173	Master's degree	None	None	
29-1123	Physical Therapists	5,145	5,327	182	3.5%	\$71,170	\$84,230	\$79,050	\$98,870	104	108	91	303	Doctoral or professional degree	None	None	
29-1124	Radiation Therapists	533	543	10	1.9%	\$61,650	\$79,720	\$76,710	\$87,840	10	17	5	32	Associate's degree	None	None	
29-1125	Recreational Therapists	304	306	2	0.7%	\$36,930	\$49,260	\$46,690	\$49,890	10	14	1	25	Bachelor's degree	None	None	
29-1126	Respiratory Therapists	3,402	3,567	165	4.9%	\$48,270	\$59,900	\$60,040	\$63,320	74	88	82	244	Associate's degree	None	None	
29-1127	Speech-Language Pathologists	2,486	2,618	132	5.3%	\$58,870	\$75,040	\$76,680	\$95,590	60	92	66	218	Master's degree	None	Internship/residency	
29-1128	Exercise Physiologists	269	276	7	2.6%	\$46,440	\$50,880	\$46,950	\$49,180	8	10	4	22	Bachelor's degree	None	None	
29-1129	Therapists, All Other	639	656	17	2.7%	\$42,590	\$52,150	\$47,730	\$60,550	20	22	8	50	Bachelor's degree	None	None	
29-1131	Veterinarians	1,954	2,029	75	3.8%	\$62,540	\$83,830	\$79,980	\$100,070	32	31	38	101	Doctoral or professional degree	None	None	
29-1141	Registered Nurses	73,621	74,863	1,242	1.7%	\$59,580	\$67,790	\$61,920	\$77,450	1,981	1,868	621	4,470	Bachelor's degree	None	None	
29-1151	Nurse Anesthetists	1,978	2,018	40	2.0%	\$154,260	\$192,320	\$169,000	\$193,240	n/a	39	60	20	119	Master's degree	None	None
29-1161	Nurse Midwives	90	91	1	1.1%	\$42,400	\$88,970	\$98,580	\$121,010	2	3	0	5	Master's degree	None	None	
29-1171	Nurse Practitioners	7,422	8,026	604	8.1%	\$95,830	\$103,490	\$101,180	\$121,070	161	242	302	705	Master's degree	None	None	
29-1181	Audiologists	171	176	5	2.9%	\$74,710	\$76,560	\$75,040	\$80,200	4	4	2	10	Doctoral or professional degree	None	None	
29-1191	Anesthesiologists	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Doctoral or professional degree	None	Internship/residency	
29-1211	Cardiologists	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Doctoral or professional degree	None	Internship/residency	
29-1212	Dermatologists	193	197	4	2.1%	\$207,900	\$308,360	n/a	n/a	0	0	2	2	Doctoral or professional degree	None	Internship/residency	
29-1214	Emergency Medicine Physicians	161	165	4	2.5%	\$24,140	\$24,360	n/a	n/a	0	0	2	2	Doctoral or professional degree	None	Internship/residency	
29-1215	Family Medicine Physicians	5,851	5,892	41	0.7%	\$62,240	\$203,740	\$192,790	n/a	94	66</td						

35-9099	Food Preparation and Serving Related Workers, All Other	1,373	1,383	10	0.7%	\$23,610	\$28,340	\$29,370	\$30,460	119	120	5	244	No formal educational credential	None	Short-term on-the-job training
37-0000	Building and Grounds Cleaning and Maintenance Occupations	104,730	106,570	1,840	1.8%	\$23,890	\$31,250	\$28,980	\$35,530	6,018	7,704	920	14,642			
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	4,586	4,643	57	1.2%	\$30,370	\$40,830	\$37,760	\$48,690	198	319	28	545	High school diploma or equivalent	Less than 5 years	None
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping	2,771	2,796	25	0.9%	\$38,480	\$51,160	\$47,750	\$59,670	86	200	12	298	High school diploma or equivalent	Less than 5 years	None
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	45,155	45,963	808	1.8%	\$23,800	\$29,920	\$28,690	\$33,160	2,844	3,193	404	6,441	No formal educational credential	None	Short-term on-the-job training
37-2012	Maids and Housekeeping Cleaners	25,787	26,196	409	1.6%	\$22,830	\$26,650	\$25,420	\$28,870	1,766	1,672	204	3,642	No formal educational credential	None	Short-term on-the-job training
37-2019	Building Cleaning Workers, All Other	135	137	2	1.5%	n/a	n/a	n/a	n/a	8	10	1	19	No formal educational credential	None	Short-term on-the-job training
37-2021	Pest Control Workers	1,623	1,673	50	3.1%	\$29,090	\$40,720	\$36,170	\$46,220	44	173	25	242	High school diploma or equivalent	None	Moderate-term on-the-job training
37-3011	Landscaping and Groundskeeping Workers	21,423	21,843	420	2.0%	\$28,410	\$33,010	\$30,790	\$36,800	930	1,855	210	2,995	No formal educational credential	None	Short-term on-the-job training
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	600	612	12	2.0%	\$28,620	\$35,310	\$35,630	\$38,230	26	52	6	84	High school diploma or equivalent	None	Moderate-term on-the-job training
37-3013	Tree Trimmers and Pruners	1,804	1,844	40	2.2%	\$38,090	\$47,170	\$48,170	\$51,120	78	156	20	254	High school diploma or equivalent	None	Short-term on-the-job training
37-3019	Grounds Maintenance Workers, All Other	846	863	17	2.0%	\$32,420	\$36,140	\$32,420	\$37,270	37	74	8	119	No formal educational credential	None	Short-term on-the-job training
39-0000	Personal Care and Service Occupations	80,661	\$82,860	2,199	2.7%	\$22,840	\$31,060	\$26,720	\$44,460	5,083	6,203	1,100	12,386			
39-1013	First-Line Supervisors of Gambling Services Workers	452	465	13	2.9%	\$46,190	\$51,570	\$47,780	\$60,770	16	32	6	54	High school diploma or equivalent	Less than 5 years	None
39-1014	First-line Supervisors of Entertainment And Recreation Workers, Except C	2,466	2,528	62	2.5%	\$29,680	\$41,450	\$37,100	\$47,590	0	0	31	31	High school diploma or equivalent	Less than 5 years	None
39-1022	First-line Supervisors of Personal Service Workers	953	973	20	2.1%	\$31,270	\$41,990	\$40,950	\$48,090	0	0	10	10	High school diploma or equivalent	Less than 5 years	None
39-2011	Animal Trainers	564	585	21	3.7%	\$26,020	\$31,910	\$28,800	\$34,680	27	42	10	79	High school diploma or equivalent	None	Moderate-term on-the-job training
39-2021	Animal Caretakers	10,583	11,078	495	4.7%	\$23,100	\$28,300	\$26,530	\$29,000	695	899	248	1,842	No formal educational credential	None	Short-term on-the-job training
39-3011	Gambling Dealers	1,077	1,114	37	3.4%	\$21,420	\$26,520	\$21,420	\$23,260	60	99	18	177	High school diploma or equivalent	None	Short-term on-the-job training
39-3012	Gambling and Sports Book Writers and Runners	130	133	3	2.3%	\$29,340	\$32,550	\$29,340	\$37,190	7	12	2	21	High school diploma or equivalent	None	Short-term on-the-job training
39-3019	Gambling Service Workers, All Other	43	45	2	4.7%	\$28,080	\$31,290	\$29,150	\$30,100	2	4	1	7	High school diploma or equivalent	None	Short-term on-the-job training
39-3021	Motion Picture Projectionists	178	193	15	8.4%	\$22,630	\$25,390	\$26,010	\$26,280	18	21	8	47	No formal educational credential	None	Short-term on-the-job training
39-3031	Ushers, Lobby Attendants, and Ticket Takers	2,666	2,863	197	7.4%	\$22,330	\$26,350	\$24,540	\$28,080	350	282	98	730	No formal educational credential	None	Short-term on-the-job training
39-3091	Amusement and Recreation Attendants	4,368	4,492	124	2.8%	\$22,320	\$24,470	\$22,750	\$23,800	432	496	62	990	No formal educational credential	None	Short-term on-the-job training
39-3092	Costume Attendants	83	88	5	6.0%	\$31,270	\$49,440	\$39,420	\$69,510	8	10	2	20	High school diploma or equivalent	None	Short-term on-the-job training
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	724	740	16	2.2%	\$22,780	\$27,720	\$25,630	\$29,260	72	82	8	162	High school diploma or equivalent	None	Short-term on-the-job training
39-3099	Entertainment Attendants and Related Workers, All Other	187	187	0	0.0%	\$24,770	\$35,610	\$37,130	\$46,630	18	21	0	39	High school diploma or equivalent	None	Short-term on-the-job training
39-4011	Embalmers	n/a	n/a	n/a	n/a	\$49,810	\$70,540	\$58,530	\$96,230	n/a	n/a	n/a	n/a	Associate's degree	None	Long-term on-the-job training
39-4012	Crematory Operators	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training
39-4021	Funeral Attendants	1,018	990	-28	-2.8%	\$29,030	\$36,190	\$30,600	\$34,230	56	76	-14	118	High school diploma or equivalent	None	Short-term on-the-job training
39-4031	Morticians, Undertakers, and Funeral Arrangers	862	834	-28	-3.3%	\$37,020	\$57,450	\$47,830	\$63,310	40	58	-14	84	Associate's degree	None	Long-term on-the-job training
39-5011	Barbers	n/a	n/a	n/a	n/a	\$23,050	\$37,430	\$28,740	\$56,820	n/a	n/a	n/a	n/a	Postsecondary non-degree award	None	None
39-5012	Hairdressers, Hairstylists, and Cosmetologists	9,892	10,089	197	2.0%	\$23,490	\$36,420	\$30,030	\$46,160	529	555	98	1,182	Postsecondary non-degree award	None	None
39-5094	Skincare Specialists	n/a	n/a	n/a	n/a	\$26,730	\$34,370	\$29,820	\$34,730	n/a	n/a	n/a	n/a	Postsecondary non-degree award	None	None
39-6011	Baggage Porters and Bellhops	478	493	15	3.1%	\$21,790	\$24,020	\$22,760	\$23,330	25	37	8	70	High school diploma or equivalent	None	Short-term on-the-job training
39-6012	Concierges	374	389	15	4.0%	\$23,100	\$24,760	\$23,220	\$24,160	20	29	8	57	High school diploma or equivalent	None	Moderate-term on-the-job training
39-7010	Tour and Travel Guides	898	921	23	2.6%	\$22,760	\$32,020	\$27,880	\$41,620	58	85	12	155	High school diploma or equivalent	None	Short-term on-the-job training
39-9011	Childcare Workers	21,636	21,881	245	1.1%	\$22,380	\$25,810	\$24,360	\$27,510	1,464	1,520	122	3,106	High school diploma or equivalent	None	Short-term on-the-job training
39-9031	Exercise Trainers and Group Fitness Instructors	7,504	7,940	436	5.8%	\$25,670	\$39,060	\$34,520	\$48,270	452	733	218	1,404	High school diploma or equivalent	None	Short-term on-the-job training
39-9032	Recreation Workers	8,550	8,764	214	2.5%	\$23,030	\$29,290	\$27,970	\$32,820	507	822	107	1,436	High school diploma or equivalent	None	Short-term on-the-job training
39-9041	Residential Advisors	1,056	1,058	2	0.2%	\$23,390	\$31,040	\$28,810	\$36,590	54	95	1	150	High school diploma or equivalent	None	Short-term on-the-job training
39-9099	Personal Care and Service Workers, All Other	407	413	6	1.5%	\$23,180	\$27,510	\$26,170	\$30,100	0	0	3	3	High school diploma or equivalent	None	Short-term on-the-job training
41-0000	Sales and Related Occupations	273,086	274,663	1,577	0.6%	\$23,440	\$41,190	\$29,020	\$47,060	14,320	21,815	788	36,923			
41-1011	First-Line Supervisors of Retail Sales Workers	29,462	29,363	-99	-0.3%	\$29,780	\$43,650	\$37,780	\$47,940	1,040	2,038	-50	3,028	High school diploma or equivalent	Less than 5 years	None
41-1012	First-Line Supervisors of Non-Retail Sales Workers	6,857	6,842	-15	-0.2%	\$58,740	\$86,430	\$77,450	\$101,470	198	407	-8	597	High school diploma or equivalent	Less than 5 years	None
41-2011	Cashiers	68,358	68,079	-279	-0.4%	\$22,520										

47-2061	Construction Laborers	21,291	22,016	725	3.4%	\$35,570	\$50,270	\$45,550	\$63,020	640	1,462	362	2,464	No formal educational credential	None	Short-term on-the-job training
47-2071	Paving, Surfacing, and Tamping Equipment Operators	1,233	1,279	46	3.7%	\$40,970	\$53,140	\$48,880	\$60,100	41	90	23	154	High school diploma or equivalent	None	Moderate-term on-the-job training
47-2072	Pile Driver Operators	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training
47-2073	Operating Engineers and Other Construction Equipment Operators	8,353	8,617	264	3.2%	\$44,090	\$61,280	\$61,350	\$77,000	278	608	132	1,018	High school diploma or equivalent	None	Moderate-term on-the-job training
47-2081	Drywall and Ceiling Tile Installers	1,596	1,652	56	3.5%	\$36,980	\$50,710	\$46,250	\$60,300	40	92	28	160	No formal educational credential	None	Moderate-term on-the-job training
47-2082	Tapers	251	259	8	3.2%	\$72,580	\$71,630	\$76,920	\$80,990	6	14	4	24	No formal educational credential	None	Moderate-term on-the-job training
47-2111	Electricians	13,151	13,699	548	4.2%	\$46,100	\$61,600	\$60,210	\$77,850	390	986	274	1,650	High school diploma or equivalent	None	Apprenticeship
47-2121	Glaziers	743	764	21	2.8%	\$43,180	\$58,140	\$57,750	\$70,110	20	58	10	88	High school diploma or equivalent	None	Apprenticeship
47-2131	Insulation Workers, Floor, Ceiling, and Wall	444	460	16	3.6%	\$32,500	\$50,820	\$39,120	\$77,170	10	31	8	49	No formal educational credential	None	Short-term on-the-job training
47-2132	Insulation Workers, Mechanical	507	527	20	3.9%	\$37,370	\$50,460	\$47,550	\$61,290	12	35	10	57	High school diploma or equivalent	None	Apprenticeship
47-2141	Painters, Construction and Maintenance	6,425	6,616	191	3.0%	\$41,890	\$54,160	\$49,290	\$63,010	197	362	96	655	No formal educational credential	None	Moderate-term on-the-job training
47-2142	Paperhangers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Long-term on-the-job training
47-2151	Pipeliners	121	122	1	0.8%	\$46,280	\$58,750	\$57,990	\$64,620	4	8	0	12	No formal educational credential	None	Short-term on-the-job training
47-2152	Plumbers, Pipefitters, and Steamfitters	10,844	11,208	364	3.4%	\$45,170	\$62,080	\$54,550	\$79,780	322	793	182	1,297	High school diploma or equivalent	None	Apprenticeship
47-2161	Plasterers and Stucco Masons	144	150	6	4.2%	\$37,840	\$45,500	\$42,350	\$53,280	4	8	3	15	No formal educational credential	None	Long-term on-the-job training
47-2171	Reinforcing Iron and Rebar Workers	n/a	n/a	n/a	n/a	\$64,090	\$67,560	\$70,220	\$76,560	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Apprenticeship
47-2181	Roofers	2,674	2,768	94	3.5%	\$36,750	\$50,320	\$46,660	\$62,770	68	190	47	305	No formal educational credential	None	Moderate-term on-the-job training
47-2211	Sheet Metal Workers	3,590	3,700	110	3.1%	\$42,060	\$64,070	\$62,140	\$80,320	99	236	55	390	High school diploma or equivalent	None	Apprenticeship
47-2221	Structural Iron and Steel Workers	873	895	22	2.5%	\$40,820	\$57,350	\$55,020	\$76,920	23	68	11	102	High school diploma or equivalent	None	Moderate-term on-the-job training
47-2231	Solar Photovoltaic Installers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Apprenticeship
47-3011	Helpers—Brickmasons, Blockmasons, Stonemasons, and Tile and Marble S	417	426	9	2.2%	\$43,180	\$55,470	\$58,640	\$63,910	12	37	4	53	No formal educational credential	None	Short-term on-the-job training
47-3012	Helpers—Carpenters	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Short-term on-the-job training
47-3013	Helpers—Electricians	96	98	2	2.1%	\$37,500	\$42,200	\$37,880	\$42,450	3	8	1	12	High school diploma or equivalent	None	Short-term on-the-job training
47-3014	Helpers—Painters, Paperhangers, Plasterers, and Stucco Masons	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Short-term on-the-job training
47-3015	Helpers—Pipeliners, Plumbers, Pipefitters, and Steamfitters	221	229	8	3.6%	\$32,140	\$40,680	\$34,420	\$51,720	6	20	4	30	High school diploma or equivalent	None	Short-term on-the-job training
47-3016	Helpers—Roofers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Short-term on-the-job training
47-3019	Helpers, Construction Trades, All Other	225	233	8	3.6%	\$36,780	\$38,880	\$37,560	\$41,410	6	20	4	30	No formal educational credential	None	Short-term on-the-job training
47-4011	Construction and Building Inspectors	1,945	1,910	-35	-1.8%	\$47,100	\$57,370	\$53,610	\$61,780	105	116	-18	203	High school diploma or equivalent	5 years or more	Moderate-term on-the-job training
47-4021	Elevator and Escalator Installers and Repairers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Apprenticeship
47-4031	Fence Erectors	820	851	31	3.8%	\$29,170	\$39,110	\$33,070	\$42,340	20	63	16	99	High school diploma or equivalent	None	Moderate-term on-the-job training
47-4041	Hazardous Materials Removal Workers	n/a	n/a	n/a	n/a	\$37,520	\$49,140	\$48,040	\$60,500	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training
47-4051	Highway Maintenance Workers	2,681	2,734	53	2.0%	\$29,550	\$36,850	\$36,990	\$42,660	106	170	26	302	High school diploma or equivalent	None	Moderate-term on-the-job training
47-4061	Rail-Track Laying and Maintenance Equipment Operators	725	716	-9	-1.2%	\$60,950	\$65,610	\$62,870	\$77,840	12	50	-4	58	High school diploma or equivalent	None	Moderate-term on-the-job training
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	315	322	7	2.2%	\$37,170	\$51,510	\$47,260	\$66,900	10	26	4	40	High school diploma or equivalent	None	Moderate-term on-the-job training
47-4090	Miscellaneous Construction and Related Workers	477	469	-8	-1.7%	\$36,760	\$39,320	\$37,140	\$38,400	15	39	-4	50	High school diploma or equivalent	None	Short-term on-the-job training
47-5011	Derrick Operators, Oil and Gas	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Short-term on-the-job training
47-5012	Rotary Drill Operators, Oil and Gas	n/a	n/a	n/a	n/a	\$67,440	\$68,750	\$75,150	\$75,940	n/a	n/a	n/a	n/a	No formal educational credential	None	Moderate-term on-the-job training
47-5013	Service Unit Operators, Oil and Gas	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Moderate-term on-the-job training
47-5022	Excavating and Loading Machine Operators, Surface Mining	785	786	1	0.1%	\$35,990	\$40,820	\$41,970	\$46,690	24	68	0	92	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training
47-5023	Earth Drillers, Except Oil and Gas	285	291	6	2.1%	\$36,560	\$43,310	\$40,730	\$46,930	0	0	3	3	High school diploma or equivalent	Less than 5 years	Long-term on-the-job training
47-5032	Explosives Workers, Ordnance Handling Experts, and Blasters	n/a	n/a	n/a	n/a	\$42,860	\$57,300	\$49,720	\$75,930	n/a	n/a	n/a	n/a	No formal educational credential	None	Long-term on-the-job training
47-5041	Continuous Mining Machine Operators	311	310	-1	-0.3%	\$43,020	\$49,890	\$47,920	\$56,800	10	26	0	36	High school diploma or equivalent	None	Moderate-term on-the-job training
47-5043	Rooftop Bolters, Mining	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Moderate-term on-the-job training
47-5044	Loading and Moving Machine Operators, Underground Mining	n/a	n/a	n/a	n/a	\$47,420	\$45,350	\$47,420	\$47,630	n/a	n/a	n/a	n/a	No formal educational credential	None	Short-term on-the-job training
47-5049	Underground Mining Machine Operators, All Other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Moderate-term on-the-job training
47-5051	Rock Splitters, Quarry	309	309	0	0.0%	\$32,160	\$37,810	\$33,750	\$46,240	10	26	0	36	No formal educational credential	None	Short-term on-the-job training
47-5071	Roustabouts, Oil and Gas	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Moderate-term on-the-job training
47-5081	Helpers—Extraction Workers	65	68	3	4.6%	\$29,380	\$34,780	\$32,700	\$37,170	2	6	2	10	High school diploma or equivalent	None	Moderate-term on-the-job training
47-5099	Extraction Workers, All Other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Moderate-term on-the-job training
49-0000 Installation, Maintenance, and Repair Occupations		133,731	136,367	2,636	2.0%	\$36										

51-6062	Textile Cutting Machine Setters, Operators, and Tenders	63	67	4	6.4%	\$23,840	\$28,650	\$27,400	\$29,930	4	4	2	10	High school diploma or equivalent	None	Moderate-term on-the-job training
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training
51-6092	Fabric and Apparel Patternmakers	41	44	3	7.3%	\$24,030	\$37,090	\$25,860	\$43,490	2	3	2	7	High school diploma or equivalent	None	Moderate-term on-the-job training
51-6093	Upholsterers	424	432	8	1.9%	\$28,700	\$35,960	\$36,490	\$42,040	12	24	4	40	High school diploma or equivalent	None	Moderate-term on-the-job training
51-6099	Textile, Apparel, and Furnishings Workers, All Other	164	165	1	0.6%	\$21,490	\$24,880	\$22,990	\$28,420	9	10	0	19	High school diploma or equivalent	None	Short-term on-the-job training
51-7011	Cabinetmakers and Bench Carpenters	3,745	3,862	117	3.1%	\$29,280	\$36,540	\$36,480	\$44,590	143	210	58	411	High school diploma or equivalent	None	Moderate-term on-the-job training
51-7021	Furniture Finishers	132	135	3	2.3%	\$25,360	\$36,500	\$37,280	\$46,700	8	10	2	20	High school diploma or equivalent	None	Short-term on-the-job training
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	1,402	1,401	-1	-0.1%	\$28,020	\$35,490	\$29,700	\$41,650	50	106	0	156	High school diploma or equivalent	None	Moderate-term on-the-job training
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	1,876	1,890	14	0.8%	\$23,140	\$29,510	\$28,650	\$33,960	56	136	7	199	High school diploma or equivalent	None	Moderate-term on-the-job training
51-7099	Woodworkers, All Other	166	173	7	4.2%	\$23,860	\$30,490	\$29,810	\$35,610	6	10	4	20	High school diploma or equivalent	None	Moderate-term on-the-job training
51-8011	Nuclear Power Reactor Operators	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Long-term on-the-job training
51-8012	Power Distributors and Dispatchers	195	192	-3	-1.5%	\$59,980	\$85,650	\$94,710	\$101,220	5	13	-2	16	High school diploma or equivalent	None	Long-term on-the-job training
51-8013	Power Plant Operators	697	678	-19	-2.7%	\$61,490	\$76,590	\$77,450	\$95,400	18	46	-10	54	High school diploma or equivalent	None	Long-term on-the-job training
51-8021	Stationary Engineers and Boiler Operators	362	370	8	2.2%	\$49,800	\$64,410	\$63,270	\$76,890	18	26	4	48	High school diploma or equivalent	None	Long-term on-the-job training
51-8031	Water and Wastewater Treatment Plant and System Operators	2,460	2,453	-7	-0.3%	\$36,750	\$48,220	\$46,790	\$59,580	69	152	-4	217	High school diploma or equivalent	None	Long-term on-the-job training
51-8091	Chemical Plant and System Operators	n/a	n/a	n/a	n/a	\$42,740	\$60,150	\$51,960	\$68,920	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training
51-8092	Gas Plant Operators	162	158	-4	-2.5%	\$64,000	\$76,580	\$78,070	\$83,810	4	12	-2	14	High school diploma or equivalent	None	Long-term on-the-job training
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	146	139	-7	-4.8%	\$62,880	\$75,980	\$75,990	\$97,580	4	11	-4	11	High school diploma or equivalent	None	Moderate-term on-the-job training
51-8099	Plant and System Operators, All Other	194	195	1	0.5%	\$37,720	\$50,830	\$49,770	\$63,330	4	15	0	19	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9011	Chemical Equipment Operators and Tenders	4,285	4,358	73	1.7%	\$36,790	\$48,090	\$46,430	\$60,640	95	335	36	466	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	1,154	1,163	9	0.8%	\$33,630	\$44,430	\$38,520	\$48,130	26	90	4	120	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	1,227	1,232	5	0.4%	\$29,950	\$43,000	\$38,540	\$50,090	42	92	2	136	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9022	Grinding and Polishing Workers, Hand	116	113	-3	-2.6%	\$28,990	\$36,730	\$36,130	\$42,390	4	8	-2	10	No formal educational credential	None	Moderate-term on-the-job training
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	2,989	3,061	72	2.4%	\$31,300	\$43,830	\$47,440	\$53,190	102	226	36	364	High school diploma or equivalent	None	Short-term on-the-job training
51-9031	Cutters and Trimmers, Hand	144	138	-6	-4.2%	\$27,910	\$30,650	\$29,280	\$31,260	6	10	-3	13	No formal educational credential	None	Moderate-term on-the-job training
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	897	904	7	0.8%	\$36,170	\$39,840	\$37,910	\$45,850	40	68	4	112	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	1,256	1,273	17	1.4%	\$36,360	\$41,420	\$41,840	\$47,660	34	93	8	135	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	255	259	4	1.6%	\$37,400	\$44,790	\$46,640	\$51,930	9	16	2	27	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	10,456	10,377	-79	-0.8%	\$36,870	\$46,130	\$45,900	\$56,270	400	827	-40	1,187	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9071	Jewelers and Precious Stone and Metal Workers	513	501	-12	-2.3%	\$46,150	\$48,980	\$50,280	\$59,880	27	34	-6	55	High school diploma or equivalent	None	Long-term on-the-job training
51-9081	Dental Laboratory Technicians	954	956	2	0.2%	\$33,480	\$42,140	\$37,870	\$46,800	43	78	1	122	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9082	Medical Appliance Technicians	789	804	15	1.9%	\$33,020	\$40,870	\$40,840	\$51,720	36	65	8	109	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9083	Ophthalmic Laboratory Technicians	n/a	n/a	n/a	n/a	\$29,710	\$38,900	\$37,460	\$47,430	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9111	Packaging and Filling Machine Operators and Tenders	8,490	8,604	114	1.3%	\$29,100	\$41,170	\$37,370	\$47,440	352	568	57	977	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9123	Painting, Coating, and Decorating Workers	136	137	1	0.7%	\$30,010	\$40,310	\$37,550	\$42,550	4	10	0	14	No formal educational credential	None	Moderate-term on-the-job training
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	4,343	4,455	112	2.6%	\$33,600	\$43,660	\$42,120	\$48,770	122	316	56	494	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9141	Semiconductor Processing Technicians	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9151	Photographic Process Workers and Processing Machine Operators	268	261	-7	-2.6%	\$23,840	\$32,010	\$27,330	\$37,660	12	28	-4	36	High school diploma or equivalent	None	Short-term on-the-job training
51-9161	Computer Numerically Controlled Tool Operators	4,524	4,570	46	1.0%	\$36,910	\$44,450	\$43,480	\$49,200	156	336	23	515	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9162	Computer Numerically Controlled Tool Programmers	738	792	54	7.3%	\$48,480	\$59,630	\$55,780	\$63,330	26	56	27	109	Postsecondary non-degree award	None	Moderate-term on-the-job training
51-9191	Adhesive Bonding Machine Operators and Tenders	184	188	4	2.2%	\$28,970	\$31,680	\$29,910	\$36,970	10	12	2	24	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	273	277	4	1.5%	\$29,020	\$36,620	\$36,810	\$41,700	10	20	2	32	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9193	Cooling and Freezing Equipment Operators and Tenders	1,171	1,180	9	0.8%	\$42,900	\$45,120	\$46,830	\$47,110	40	87	4	131	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9194	Etchers and Engravers	77	77	0	0.0%	\$28,820	\$34,540	\$29,980	\$37,030	4	5	0	9	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	1,688	1,723	35	2.1%	\$33,440	\$40,460	\$38,370	\$46,210	61	112	18				